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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/098,624	03/18/2002	Rainer Krumrein	225/50994	3693

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EXAMINER
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CHEN, SHIN HON

ART UNIT	PAPER NUMBER
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2131

DATE MAILED: 05/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/098,624

Applicant(s)

KRUMREIN, RAINER

Examiner

Shin-Hon Chen

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 June 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>6/21/02, 11/25/02, 5/17/05</u> | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

1. Claims 1-9 have been examined.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5 and 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Adams et al. U.S. Pat. No. 6876642 (hereinafter Adams) in view of Phillipsson U.S. Pub. No. 2001007815 (hereinafter Phillipson).

4. As per claim 1, Adams discloses a process for selectively authorizing the connection of external equipment to a data bus, by an exchange of data between an equipment set and the data bus via a communication interface (Adams: column 2 lines 13-28 and figure 2 and column 3 lines 35-44: establish wireless LAN within a within a vehicle so that wireless devices can communicate with vehicle data bus to perform various tasks). Adams does not explicitly disclose detection information for an external equipment set is input to the data bus by way of a user interface; the detection information is transmitted to an authorization system connected with the data bus; detection information of the external equipment set is extracted from the data transmitted from the external equipment set via the communication interface to the data bus; based on detection information input from the data bus via the user interface, and on the detection information transmitted from the equipment, the authorization system checks whether a communication is to be established between the data bus and the equipment set to be selectively coupled, and the result of the check is made available as authorization information; and when the authorization information is positive, the authorization system permits communication to the

Art Unit: 2131

equipment set, by means of the communication interface, whereby components linked to the data bus via the data bus exchange data with the external equipment. However, Phillipson discloses establish wireless connection between a wireless device and a stationary unit by authenticating the wireless device's unique identification number (Phillipson: [0007]). It would have been obvious to one having ordinary skill in the art at the time of applicant's invention to use the wireless LAN on the vehicle as a stationary unit so that wireless portable devices can communicate through authentication with the data bus connected devices. Therefore, it would have been obvious to one having ordinary skill in the art at the time of applicant's invention to combine the teachings of Adams within the system of Phillipsson because device authentication and wireless authentication prevents unauthorized data access.

5. As per claim 2, Adams as modified discloses the process according to claim 1. Adams as modified further discloses wherein the authorization system makes available the status of the communication as connection information (Adams: figure 2: the laptop).

6. As per claim 3 and 4, Adams as modified discloses the process according to claim 1. Adams as modified discloses establishing connection upon authentication (Phillipson: [0007]). Adams as modified does not explicitly disclose wherein the detection information, the authorization information and the connection information of the external equipment are stored by an authorization system assigned to the data bus and are updated in the event of changes and in the event of a change of the detection information for external equipment, the authorization system implements a new check of the authorization. However, updating authentication information and re-authorization is well known in the art for authentication purposes. Therefore, one with ordinary skill in the art would update the authentication information and re-authenticate once the wireless device authentication information has been changed.

7. As per claim 5, Adams as modified discloses the process according to claim 1. Adams as modified further discloses wherein the coupling of the external equipment to the communication interface takes place via wireless data transmission (Adams: figure 2 and column 2 lines 13-28).

Art Unit: 2131

8. As per claim 7-9, claims 7-9 encompass the same scope as claims 1-5. Therefore, claims 7-9 are rejected based on the reasons set forth in claims 1-5.

9. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Adams in view of Phillipsson and further in view of Miyasaka et al. U.S. Pub. No. 20010018635 (hereinafter Miyasaka).

10. As per claim 6, Adams as modified discloses the process according to claim 1. Adams as modified does not explicitly disclose wherein data transmission between the external equipment and the communication interface takes place in an encrypted mode. However, Miyasaka discloses that limitation (Miyasaka: [0055]-[0057]). It would have been obvious to one having ordinary skill in the art to encrypt wireless encryption to avoid unauthorized interception of data. Therefore, it would have been obvious to one having ordinary skill in the art at the time of applicant's invention to combine the teachings of Miyasaka within the combination of Adams-Phillipsson because it increase communication security.

### ***Conclusion***

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Flick U.S. Pat. No. 6756885 discloses multi-vehicle compatible control system for reading from a data bus and associated method.

Pajakowski et al. U.S. Pat. No. 6718425 discloses handheld computer based system for collection, display and analysis of engine/vehicle data.

Baarman et al. U.S. Pub. No. 20050007067 discloses vehicle interface.

Art Unit: 2131

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shin-Hon Chen whose telephone number is (571) 272-3789. The examiner can normally be reached on Monday through Friday 8:30am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shin-Hon Chen  
Examiner  
Art Unit 2131

SC

  
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